



Form PTO-1449 (Modified)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)

APPLICANT: Koenck, Steven F.

FILING DATE October 12, 1993 GROUP ART UNIT: 2102

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TV	1	3,754,182†	08/73	Morris et al.	-		
	2	3,771,132 <del>†</del>	11/73	Biewer			
7/	3	3,775,659†	11/73	Carlsen, II	_		
$\mathcal{N}$	4	3,823,388†	07/74	Chadima, Jr. et al.		_	
<b>√</b>	5	3,917,990	11/75	Sherman			
	6	3,911,350	10/75	Swope		_	
7/	7	4,001,550†	01/77	Schatz			
7	8	4,072,859	02/78	McWaters			
7	9	4,121,115	10/78	de Mere			
7	10	4,125,802	11/78	Godard			
7	11	4,127,803 <del>†</del>	11/78	Etienne			
7/	12	4,140,957†	02/79	Rapp			
7	13	4,151,454†	05/79	Iida			
7	14	4,158,194	06/79	McWaters			
	15	4,203,103†	05/80	Osada et al.			
7	16	4,237,411	12/80	Kothe et al.			
N	17	4,227,837 <del>†</del>	07/81	Stuckert			
7/	18	4,289,836	09/81	Lemelson			
7	19	4,308,492	12/81	Mori et al.			
7/,	20	4,308,493†	12/81	Kothe et al.			
N	21	4,346,336	08/82	Crawford		~	
7	22	4,370,606	01/83	Kakumoto et al.			
V	23	4,472,672†	09/84	Pacholok			
74,	24	4,455,523†	06/84	Koenck			
7	25	4,553,081†	11/85	Koenck			
1/	26	4,607,208	08/86	Vreeland		<u>'</u>	
7/	27	4,494,064†	01/85	Harkness	_		
√	28	4,621,189	11/86	Kumar et al.			





*EXAMINER* INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
P	29	4,649,333	03/87	Moore			
7	30	4,670,703	06/87	Williams			
7	31	4,692,682	09/87	Lane et al.			
7	32	4,709,202 <del>†</del>	11/87	Koenck et al.			
7	33	4,716,354	12/87	Hacker			
TV,	34	4,829,226	05/89	Nakamura			
1	35	4,737,702 <del>†</del>	04/88	Koenck			
7	36	4,773,032	09/88	Uehara et al.			
TV	37	4,842,966	06/89	Omori et al.			
TV,	38	4,850,009	07/89	Zook et al.			
7	39	4,845,419	07/89	Hacker			
7/	40	4,885,523 <del>†</del>	12/89	Koenck			
TV,	41	4,916,441	04/90	Gombrich			
7	42	4,961,043	10/90	Koenck			
7	43	4,965,738†	10/90	Bauer et al.			
7	44	5,110,226	05/92	Sherman et al.			
$\sim$	45	5,278,487†	01/94	Koenck			

## FOREIGN PATENT DOCUMENTS

						TRANSLATION	
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
А							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

TV	AA†	Norand Corporation Specification Sheet for Norand 101-XL Portable Data System, 1978.
7	88†	Norand Corporation Brochure regarding Norand "Sprint 100" Portable Order Entry Terminal, 1979
TV	cct	Norand Corporation Specification Sheet for Norand 101XL "Alpha-1" Portable Data System, 1980.
EXAMINER 10	dd Vo	cltz DATE CONSIDERED 3/3/194
*EXAMINER: Initia	al citation	considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if

<sup>†</sup> A copy of this reference is not included. See M.P.E.P. Section 609(A)(2).